

01499500 EAST SIDNEY LAKE AT EAST SIDNEY, NY

Upper Susquehanna Basin
Upper Susquehanna Subbasin

LOCATION.--Lat 42°19'40", long 75°13'42" referenced to North American Datum of 1927, Delaware County, NY, Hydrologic Unit 02050101, at East Sidney Dam, on Ouleout Creek, 0.3 mi upstream from bridge on County Highway 44 at East Sidney, 4.4 mi upstream from mouth, and 4.5 mi east of Unadilla.

DRAINAGE AREA.--103 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--November 1949 to September 1952 (month-end elevations and contents), October 1952 to September 1985 (mean daily elevations and month-end contents), October 1986 to current year (month-end elevations and contents). Prior to October 1970, published as "East Sidney Reservoir at East Sidney."

REVISED RECORDS.--WSP 2103: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929. Prior to Oct. 1, 1979, at datum 0.05 ft lower.

COOPERATION.--Capacity table furnished by Corps of Engineers.

REMARKS.--Lake is formed by concrete dam and rockfill dike, completed by Corps of Engineers in June 1950; regulation of outflow began in November 1949; first used for flood regulation on Mar. 28, 1950. Usable capacity, 32,700 acre-ft between elevations 1,115.0 ft (sill of conduits) and 1,203.0 ft (crest of spillway). Dead storage 56 acre-ft. Discharge is controlled by the operation of five gates. Water is stored during high flows and released when downstream conditions warrant. Lake is used for flood control and recreation. Telephone and satellite gage-height and precipitation telemeters at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 34,213 acre-ft, June 30, 2006, elevation, 1,204.35 ft; minimum contents, 56 acre-ft, Aug. 31, 1953, Sept. 7-26, Nov. 4, 1964, elevation, 1,115.0 ft..

EXTREMES FOR CURRENT YEAR.--Maximum contents, 18,402 acre-ft, Mar. 10, elevation, 1,187.08 ft; minimum contents, 1,152 acre-ft, Mar. 19, elevation, 1,139.19 ft.

MONTH-END ELEVATION AND CONTENTS
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (equivalent in ft ³ /s)
Sep. 30	1,150.28	2,900	--
Oct. 31	1,150.01	2,843	-0.9
Nov. 30	1,150.07	2,856	+0.3
Dec. 31	1,140.08	1,244	-26.2
CAL YR 07	--	--	+0.05
Jan. 31	1,140.09	1,245	+0.2
Feb. 29	1,140.23	1,260	+0.3
Mar. 31	1,141.27	1,377	+1.9
Apr. 30	1,145.69	2,030	+11.0
May 31	1,150.65	2,977	+15.4
Jun. 30	1,150.48	2,941	-0.6
Jul. 31	1,150.03	2,847	-1.5
Aug. 31	1,150.33	2,910	+1.3
Sep. 30	1,150.73	2,994	+1.4
WTR YR 2008	--	--	+0.1